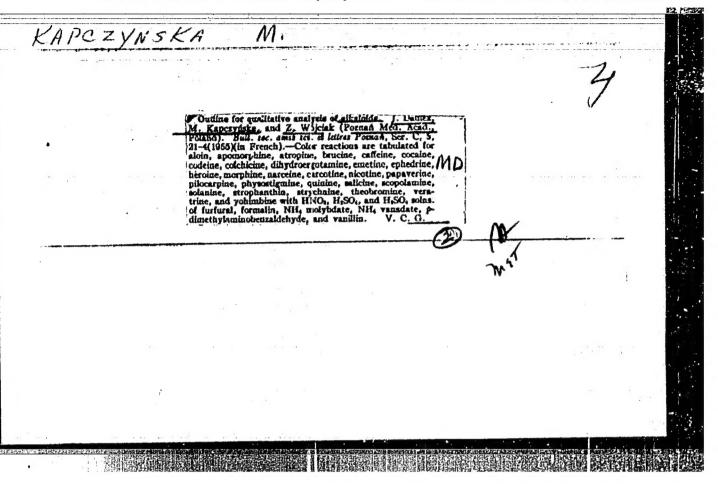
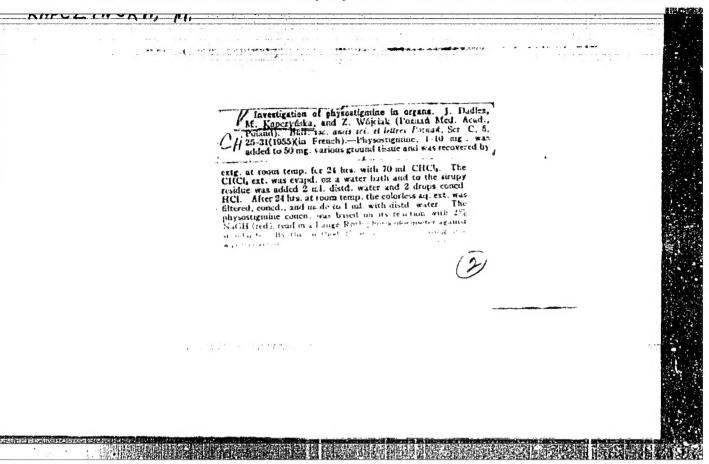
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DADLEZ, Josef, Prof., Dr.; KAPCZINSKA, Maria, Dr.; WOJCIAK, Zofia, Dr.

Determination of alkaloids in organs. Bull. Soc. amis sc. Posnan, ser. C No.6:45-49 1956.

1. Inst. de Pharmacologie et Inst. de Med. Legale de l'Academie de Med. a Posnan.

(ALKALOIDS, determination,

(Fr.)

H

POLAND/Chemical Technology. Chemical Products and Their

Application. Wood Chemistry. Products. Hydrolysis

Industry.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44682.

Author : Kapezynski J.

VECTOR BALLSTONE TAXABLE CONT.

Inst : Sulfamic Acid (As a Wood Impregnation Agent). Title

Orig Pub: Przen. chen., 1956, 12, No 12, 667-670.

Abstract: In recent years sulfamic acid (H_NSO3H) has found

extensive applications. On heating this acid and its salts decompose with emission of non-flarmable gases.

This property is utilized in the impregnation of

wood to render it fire-resistant.

Card : 1/1

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17

Poland/Chemical Technology - Chemical Products and Their Application. Sulfuric Acid, Sulfur and Its Compounds, I-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62061

Author: Kapczynski, J.

TIME ZYN ZKI, J.

Institution: None

Title: Roasting of Marcasite in Pseudofluidized Bed on a Semiindustrial Scale

Original

Periodical: Fluidyzacyjne spalanie markazytu na skale poltechniczna, Przem. chem., 1954, 10, No 9, 479-481; Polish; English and Russian resumés

Abstract: For rousting in a continuously operating unit marcasite (I) containing 33-46% S and 3-5% H₂O was used. I was fed into the furnace at a rate of 20-90 kg/hour. The reaction started at a temperature >700-800° (the furnace was started with wood). Operation temperature of furnace (depending primarily on the charge) was sometimes >900°. Extent of I roasting is high on proper selection of operation conditions. S content of cinder 1-1.5% (with maximum charge

Card 1/2

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3

Poland/Chemical Technology - Chemical Products and Their Application. Sulfuric Acid, Sulfur and Its Compounds, I-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62061

Abstract: up to 2.5%). With more intensive process and greater difference in I grain size S content of dust reaches 4%. SO₂ concentration in gases can be varied within wide limits. On roasing I by this method it is possible to raise the furnace charge up to 31,200 kg/m² per day.

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

KAPCZYNSKI, Jersy; CZORNIK, Franciszek

Stabilized sulfur trioside. Przem chem 39 no.1:8-10 Ja '60.

1. Zakladowe Laboratorium Badwecze, Poznanskie Zaklady Nawozow Fosforowych, Poznan.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

KAPCZYNSKI, Jerzy, dr inz.

Modern trends in the techniques of producing sulfuric acid. Chemik 16 no.7/8:Insert:1119 Jlag 163.

1. Zakladowe Laboratorium Badawcze przy Poznanskich Zakladach Nawozow Fosforowych, Lubon k. Poznania.

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3

KAPCZYNSKI, Jerzy, dr

Application of amidosulfonic acid. Chemik 16 no. 4:112-117

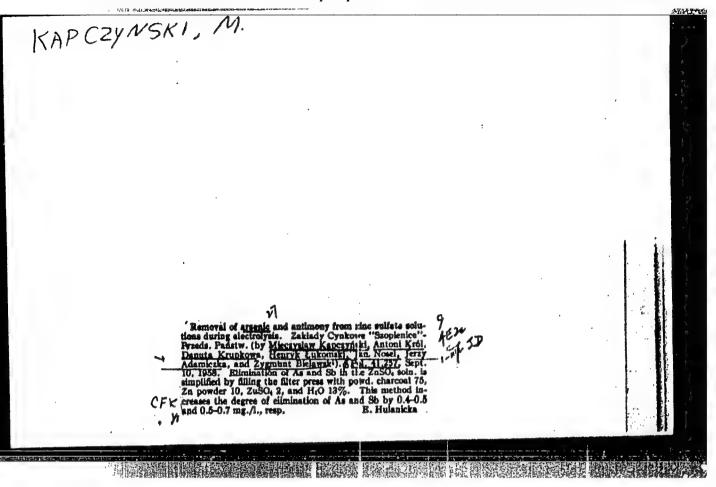
~ ..

KUCZYNSKI, Wienczysiaw; KAFCZYNSKI, Jerzy

Louis of the Company of the Company

Experiments in finding optimum conditions for reducing anhydrite with carton in a fluidized bed. Przem chem 42 no.10:570-575 0'63.

1. Katedra Tenhnologii Chemicznej, Universytet, Poznan, i Poznanski: Jaklady Nawozow Fosforowych, Lubon k. Poznania.



KORNACKI, Zygmunt; RUSZKOWSKI, Marian: KAPCZYMSKI, Witold

Studies on intrauterine fetal anoxia. III. Electrophoretic studies of proteins in the amniotic fluid and serum during the course of pregnancy in rabbits. Gin.polska 31 no.2:173-178 Mr-Ap '60.

1. Z II Kliniki Chorob Kobiscych i Polosnictwa A.M. w Posnaniu. Kierownik: doc.dr med. B. Howorka.

(ASPRIXIA MCMATGUM exper.)

(BLOOD PROTEINS Chem.)

(AMBIOTIC FLUID chem.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

第23章 国际共同国际部门设置的国际

KAPECKA, Krystyna; ZIELINSKA, Krystyna

Influence of added alkyd resin modified with fatty acids on the water absorbability of polyurethan coatings. Polimery tworz wielk 8 no. 11: 439-440 N 163.

1. Instytut Farb i Lakierow; Gliwice.

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3

Reactions of dialkoxyoxophosphoranosulenyi chlorides. with orranic thiols? I am Michalaki, Barbarn Lenard. Lott. Policy of the Control of t	The second secon
The state of the s	

SOPIELA, Waclaw; KAPECKA, Turesa; CYPRYK, Jerzy

・ 大学 ないない はいはははなる 原理をなるなるをおけるとなるとなった。

Studies on the course of acetilization of polyvinylalcohol fibers with formaldehydo. Polimery tworz wielk 9 no.3:107-110 Mr 164.

1. Institute of Artificial and Synthetic Fibers, Lodz.

SOPIELA, W.; KAPECKA, T.; CYPRYK, J.

Effect of acetylation on the properties of polyvinyl alcohol fibers. Przegl włokien 18 no.10:445-448 0 '64.

BORECKA, Barbara; KAPECKA, Teresa; MICHALSKI, Jan

Organophosphorus derivatives of sulfur and selenium. XIX. Addition of dialkoxyoxophosphoranesulfenyl chlorides (RJ)₂P (0) SC1 to unsymmetrical ethylenic hydrocarbons. Rocz chemii 36 no.1:87-95 *62.

1. Department of Organic Chemistry, Institute of Technology, Lodz, Institute of Organic Synthesis, Polish Academy of Sciences, Lodz.

8/081/63/000/002/027/088 B166/B138

5.0630 . AUTHORS:

PERIODICAL:

Borsoka, Barbara, Kapecka, Teresa, Michalski, Jan

TITLE:

Organophosphorus derivatives of sulfur and selenium. Part XIX. Addition of diethyl-S-chlorothiophosphates (RO)2P(O)SC1 to unsymmetrical ethylenic hydrocarbons

Referativnyy zhurnal. Khimiya, no. 2, 1963, 236-237, abstract 2Zh226 (Roczn. chem., v. 36, no. 1, 1962, 87-95

[Eng.; summaries in Pol. and Russ.])

TEXT; When (RO)2P(O)SCI (I) are added to CH2=CR'R" according to Markovnikov's law (RO)2P(0)SCH2C(C1)R'R" (II) are formed. By chorinating II in the presence of water R'R"CC1CH2SO2C1 (III) were produced and these were converted into R'R"CH=CHSO2C1 (IV). In the standard test a stream of dry propylene is passed into a solution of 0.1 mole I $(R=C_2H_5)$ in . 30 ml C6H6, stirring and cooling well (20-30°C) until the yellow tint of I disappears; the solvent is distilled off under vacuum and II is Card 1/3

S/081/63/000/002/027/088 B166/B138

Organophosphorus derivatives of ...

separated by distillation. The following data are given for II, R, R', R', yield %, b.p. in C/mm, nD (temp. in °C): CH₃, H, CH₃, 84, 68/0.01, 1.4840 (20); $c_{2}H_{5}$, H, CH₃ (IIa), 74, 60/0.02, 1.4818 (20); $n-c_{4}H_{9}$, H, CH₃, 58, 90/0.01, 1.4712 (20); $c_{3}H_{5}$, $c_{3}H_{5}$,

Card 2/3

Organophosphorus derivatives of ... S/081/63/000/002/027/000 is separated out by additying an aqueous solution with a 10% MCI solution yield 86.5%, m.p. 94-95°C. The following yers produced in the same may: III (R' = R' = CR₂), yield 50%, b.p. 94-95°C/25 mm, n°D 1.4850; (CH₂)₂C=CHSO₂MHC₆H₅, yield 50%, m.p. 70-71°C, and III (R' = H', R' = CR₅) (IIIb), yield 74%, b.p. 84-85°C/0.1 mm, n°2 n 1.5635. A solution of o.1 moles CH₃(C₄H₉)₂N im 30 ml C₆H₆ is added a drop at a time, stirring and cooling (15 = 20°0), to a solution of 0.1 moles IIIb in 150 al CR₆; produced at a yield of 93% from 0.05 moles IVa and 0.1 moles CH₂CH=CRBO₂CHC₆R mass C₆H₆ (~20°C, 1 hr). For part IVIII see REARThim, 1962; 242h471.

Card 3/3'.

KAPEK, A., ins.

- 40 years of struggle for progress. Stroj vyr 9 no.5:221-222 161.
- 1. Podnikovy reditel, narodni podnik Ceskomoravska-Kolben-Danek Praha.

Ensuring the results of the 12th Congress of the Communist Party of Czechoslovakia. Stroj vyr 11 no.1:1-2 '63. 1. Podnikovy reditel, Ceskomoravska-Koloen-Danek Praha, n.p.

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KAPEK, Antonin, inz.

Mobilization of all forces and resources for the performance of the Decision of the 12th Congress of the Communist Party of Csechoelovakia. Stroj vyr 11 no.7:329 163.

l. Podnikovy reditel Ceskomoravska-Kolben-Danek Praha; kandidat predsednictva ustredniho vyboru Komunisticke strany Ceskoslovenska.

S/121/63/000/002/004/010 D040/D112.

AUTHORS:

Kapel', A.P., and Laudmirskiy, D.C.

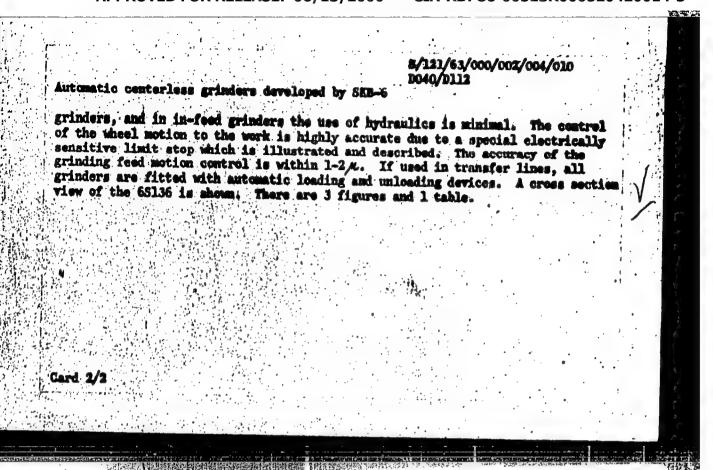
TITLE.

Automatic conterless grinders developed by SKB-6

PERIODICAL: Stanki i instrument, no.2, 1963, 12-16

TEXT: A detailed description is given of the design and operation of the new 60 (68) basic range of centerless grinder models developed by the Besign Office We 6 (5KB-6). It includes seven models - the 6571, 65133, 65136, 65137, 65147, 6568 and 65168. The first four are now being produced by the Moscow "Stankeliniya". Plant, and the last two are still under development. In all models the grinding wheel and the regulating wheel heads move on the ways while the work rest is fixed, the grinding wheel is fed to the work by tilting the grinding head, the grinding wheel wear is automatically compensated, and the wheel truing is automatic. The basic models, which accommodate work with a maximum diameter between 390 and 15 mm, have also been modified for special purposes. Wide grinding wheels, and grinding on two or three grinders in line instead of using 6 to 20 grinding passes as is usual, are the design features. The hydraulic drive is eliminated in through-feed.

Card 1/2



"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000520420014-3

COUNTRY USSR M Cultivated Plants CATEGORY Potatoes. Vegetables. Cucurbits. : RZhBiol., No. 3, 1959, No. 10959 ABS. JOUR. : Kapelev, I. G. AUTHOR THST. : An Experiment in the Use of Greenhouses Heated by Sun. MILE : Sad i Ogorod, 1958, No. 1, 20-22 ORIG. PUB. : Recommendations on the use of gable roof greenhouses of ABSTRACT 40 frames with the useful area of 63.6 square meters heated by sun in the autum, winter and early spring periods under the conditions of the southern coast of Crimea. In winter months, the temperature in these greenhouses does not drop below +50. The depth of the foundation pits of the greenhouses is 45 cm. The direction of the greenhouses is from the north to the south. The frames are taken off in summer. At the end of October, there are set out in the greenhouses lettuce seed-CARD: -59-

KAPELEV, I.G.

Organic-mineral fertilizers as an important potentiality for increasing the yield of early vegetables. Agrobiclogita no.2: 297-298 Mr-Ap '64. (MIRA 17:6)

1. Sel'skokhosyaystvennyy tekhnikum, g. Yalta.

KAPELEVICH, G. M.

Cand Tech Sci

Dissertation: "Certain Problems in the Stability of Compressed Crthotropous Plates."

14 June 49

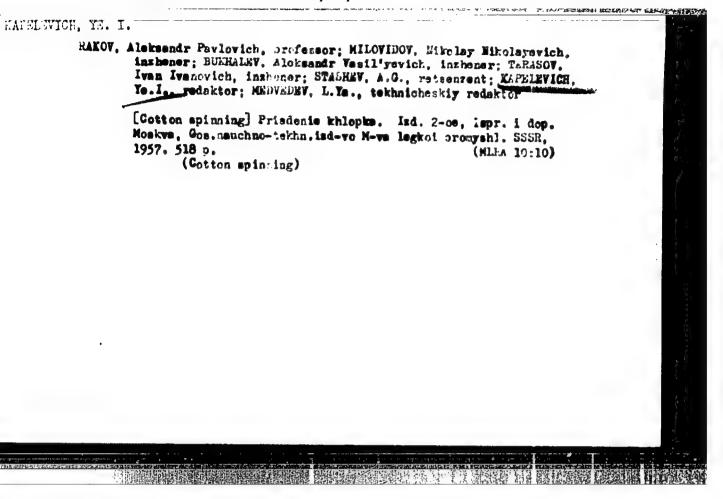
Central Sci Res Inst of Industrial Structures.

SO Vecheryaya Moskva Sum 71

HIKIFOROV, S.I.; BLYUYER, V.A., retsenzent; PAVLOVA, M.I., retsenzent; KAPELEVICH, Ye.I., redaktor; MEXFASOVA, O.I., tekhnicheskiy

[The planning of cotton weaving factories] Proektirovanie khlopkotkatskikh fabrik. Isd. 2-oe, perer. i dop. Moskva, Gos. nauchnotekhn. isd-vo Ministerstva legkoi promyshl. SSSR, 1956. 277 p. (Gotton manufacture) (MERA 9:10)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3



ZOLOTAREV, N.I., kand. tekhn. nauk, red.; KAPELEVICH, Ye.I., red.; MEDVEDEV, L.Ya., tekhn. red.

[Scientific research papers; collection of reports on work completed during 1958]Nauchno-issledovatel'skie trudy; sbornik rabot za 1958 god. Pod red. N.I.Zolotareva. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 156 p.

(MIRA 15:8)

(MIRA 15:8)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti.

(Cotton manufacture) (Research, Industrial)

ACC NR: AP7003460

SOURCE CODE: PO/0097/66/007/004/0403/0419

AUTHOR: Kaliski, S. (Warsaw); Kapelewski, J. (Warsaw); Makowski, Z. (Warsaw)

ORG: Department of Vibrations, IBTP, Polish Academy of Sciences

TITLE: Surface waves in piezoquartz

SOURCE: Proceedings of vibration problems, v. 7, no. 4, 1966, 403-419

TOPIC TAGS: crystal, piezoelectric crystal, quartz crystal, crystal vibration, piezoquartz, surface wave, ultrasonic surface wave, hypersonic surface wave, surface wave amplification, surface wave amplifier, perturbation solution, closed form solution

ABSTRACT: Numerical solutions of the problem of surface-wave propagation in piezoquartz were presented. Surface-wave propagation veolcities and damping decrements in the x_1 , x_2 , and x_1 , x_3 , planes of the crystal were determined. A closed-form perturbation solution with a simultaneous isotropic approximation of the crystal's elastic properties was also given. The qualitative and quantitative usefulness of such a approximation was evaluated. The present piezoquartz

Card 1/2

CIA-RDP86-00513R000520420014-3

ACC NR: AP7003460

surface-wave research, in addition to filling a gap in existing solutions, becomes particularly important in connection with problems of amplifying ultrasonic and hypersonic surface waves in piezoelectric crystals, and especially in piezoquartz. The perturbation solutions make it possible to obtain closed-form solutions for problems of surface-wave amplifiers. Before, however, they must be evaluated and verified with accurate solutions, which was the actual purpose of the present study. Orig. art. has: 2 figures and 98 formulas. [Based on authors abstract]

SUB CODE: 08, 09/SUBM DATE: 25Aug66/ORIG REF: 007/SOV REF: 001/ OTH REF: 003/

Card 2/2

KAPELEWSKI, J.; ROSINSKI, K.

A theoretical study of level crossing effect in 23 Na and 85 Rb. Bul Ac Pol math 13 no.1:61-67 '65.

1. Institute of Experimental Physics of Warsaw University and Institute of Physics of the Polish Academy of Sciences, Submitted October 12, 1964.

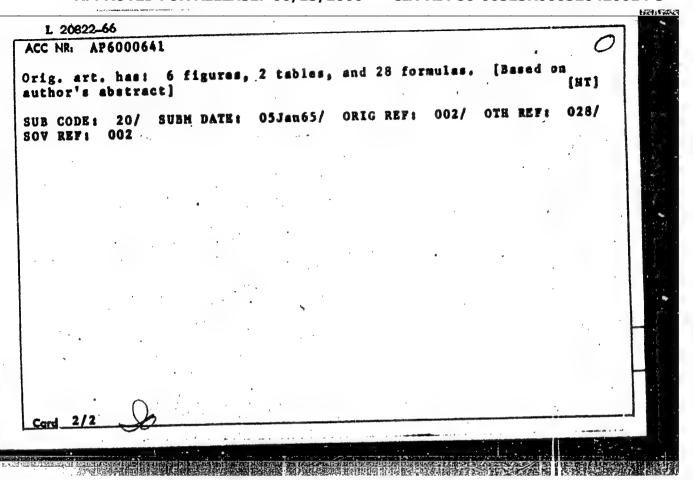
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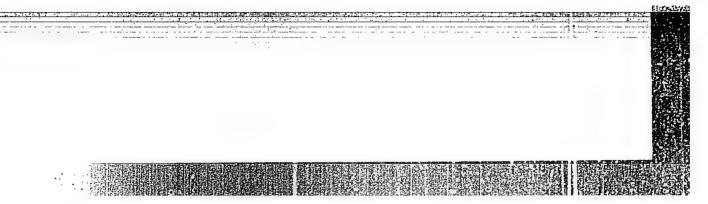
JD/JG 20822_66 EWP(t) IJP(c) PO/0045/65/028/002/0177/0191 SOURCE CODE: ACC NR: AP6000641 AUTHOR: Kapelewski, J.; Rosinski, K. ORG: Institute of Experimental Physics, Warsaw University; Institute of Physics, Polish Academy of Sciences, Warsaw Theoretical evaluation of level "crossing" parameters for certain alkali metal atoms 1 Acta physica polonics, v. 28, no. 2, 1965, 177-191 SOURCE: TOPIC TAGS: alkali metal atom, magnetic field, electromagnetic energy, electron energy level, electromagnetic interaction, magnetic field intensity, Zeeman effect 21, 44,55 ABSTRACT: The dependence of the energy of Zeeman splitting in the first excited state $^2P_{3/2}$ of $^{2\,3}Na$ and $^{1\,1}Rb$ on magnetic fields of intermediate strength was found in the form of secular equations and diagrams. Calculation included quadrupole interaction, too. The following paramsters describing the level crossing effect are calculated: the magnetic field values at which crossing occurs, the best geometry, and the halfwidth and relative intensity of level crossing signal. Good agreement was found between theory and available experimental data. The authors thank Professor T. Skalinski for his interest in this investigation. Card 1/2

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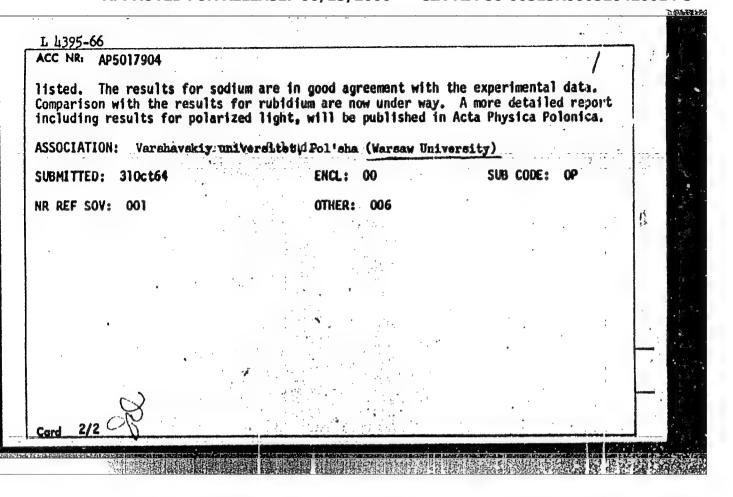


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L 4395-66 UR/0051/65/019/001/0135/0136 ACC NR: AP5017904 539, 182 AUTHOR: Kapelevskiy, Yu.; Rosinskiy, K. Theoretical studies of phenomena associated with level crossing in Na-23 and TITLE: and Rb-85 SOURCE: Optika i spektroskopiya, v. 19, no. 1, 1965, 135-136 TOPIC TAGS: sodium, rubidium, Zennman effect, hyperfine structure, line width, line intensity ABSTRACT: The article presents the results of a theoretical determination of the quantities characterizing the crossing of the Zeeman levels of the hyperfine structure :In the $3^2P_{3/2}$ state of Na and 5 $^2P_{3/2}$ state of Rb. The strengths of the magnetic fields Her for which level crossing arises, the widths of the corresponding maxima, and the intensity of the interference phenomena were calculated. $H_{\rm CP}$ was obtained by evaluating the dependence of the Zeeman level energies on the magnetic field. The nuclear quadrupole moment was taken into account in calculating the hyperfine structure. The half-width, intensity, and anisotropy of the effect were determined for the case of unpolarized light by using the general expressions derived by M. E. Rose and R. L. Carovillano (Phys. Rev. v. 122, 1185, 1961). The numerical values obtained are

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CIA-RDP86-00513R000520420014-3



KAPELEVSKIY, Yu.; ROSINSKIY, K.

Theoretical examination of the effects related to the intersection of levels in Na²³ and Rb⁸⁵. Opt. i spektr. 19 no.1:135-136 Jl '65. (MIRA 18:8)

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Agriculture - China

Successes in the development of agriculture in China. Sots. sel'khoz 23, No. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

KAPELINSKIY, YU. N.

1 751 .58

Mezhdunarodnaya torgovlya (International trade) Pod red. I. S. Potapov, G. S. Roginskiy, Yu. N. Kapelinskiy. Moskva, Vneshtorgizdat, 195h. 686 p. tables.

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3

SLADKOVSKIY, H.I., redaktor; KASCLINSKIY, Yu.W., redaktor; LEVITAN, I.H., redaktor izdatel'stva; LEVGHUK, K.V., redaktor izdatel'stva; LEKANUVA, I.S., teknicheskiy redaktor

FAPEZON-TY, Ya. N.

[Monomic development of Asiatic people's democracies; a review of 1956] Nesvitie ekonomiki atran marodnoi demokratii Azii; obsor se 1956 g. Monkva, Vneshtorgindet, 1957, 318 p. (MIRA 10:10)

1. Moscow. Mauchno-issledowatel'skiy kon"yunkturnyy institut (Asia--Economic conditions)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3

GORYUNOV, V.: KAPELINSKIY, Ju
International division of labor and economic collaboration of socialist countries. Sots.trud no.10:73-83 0 '57. (MIRA 10:11)

(Division of labor) (International economic relations)

EAPPLINSKIY, Yu.M.; POLYANIN, D.V.; NUNIZHINSKIY, Ye.A.; IVANOV, I.D.;

SERGHYEV, Yu.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.W.; IVANOV, A.S.;

PINOGENOV, V.P.; ZAKEMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'NIN, V.N.;

BOGDANOV, O.S.; SEROVA, L.V.; GOMCHAROV, A.W.; KARKHIN, G.I.;

LYUBSKIY, M.S.; PUCHIK, Ye.P.; SEROVA, L.V.; KANGESKIY, N.N.;

SABEL'NIKOV, L.V.; FEDOROV, B.A.; GERCHIKOVA, I.M.; KARAVAYEV, A.P.;

KANPOV, L.W.; SHIPOV, Yu.P.; VLADIMIRSKIY, L.A.; KUTSENKOV, A.A.;

HYABININA, B.D.; ANAN'YEV, P.G.; ROGOV, V.V.; BELOSHAPKIN, D.K.;

SEYFUL'MULYUKOV, A.M.; PARFENOV, A.Ya.; SMIRHOV, V.P.; ALEKSEYEV,

A.F.; SHIL'UKHIT, V.A.; CHURAKOV, V.P.; BORISENKO, A.P.; ISUPOV, V.T.;

OHLOVA, M.V., red.; GORYUMOVA, V.P., red.; BELOSHAPKIN, D.K., red.;

GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; KOSTYUKHIN, D.I., red.;

POLYANIN, D.V., red.; SOLODKIN, R.G.; red.; UFIMOV, I.S., red.;

EKHIN, P., red.; SMIEMOV, G., tekhn.red.

[Moonomy of capitalist countries in 1957] Ekonomika kapitalisticheskikh strah v 1957 godu. Pod red. N.V.Orlova, IU.N.Kapelinskogo i V.P.Goriunova. Moskva, Isd-vo sotsial'no-ekon.lit-ry, 1958. 686 p. (MIRA 12:2)

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

Yu.A.; Polyanin, D.V.; Zotov, G.M.; Ivanov, I.D.; Sergeyev, Yu.A.; Menzhiuskiy, Ye.A.; Kostyukhin, D.I.; Dudukin, A.N.; Ivanov, A.S.; Pinogenov, V.P.; Zakhmatov, M.I.; Soloukin, R.G.; Dushen'kin, V.N.; Bogdanov, O.S.; Serova, L.V.; Goncharov, A.N.; Lyubskiy, M.S.; Puchik, Ye.P. [deceased]; Kamenskiy, N.N.; Sabel'nikov, L.V.; Gerchikova, I.N.; Fedorov, B.A.; Karavayev, A.P.; Karpov, L.N.; Vartumyan, E.L.; Shipov, Yu.P.; Rogov, V.V.; Bogdanov, I.I.; Viadimirskiy, L.A.; Lebedev, B.I.; Anan'yev, P.G.; Trinich, P.A.; Golovin, Yu.M.; Matyukhin, I.S.; Seyful'mulyukov, A.M.; Shil'dkrut, V.A.; Alekskyev, A.P.; Borisenko, A.P.; Churakov, V.P.; Shastitko, V.M.; Gerus, V.G.; Orlov, N.V., red.; Kapelinskiy, Yu.M., red.; Goryunov, V.P., red. V redaktirovanii prinimali uchastiye: Beloshapkin, D.K., red.; Georgiyev, Ye.S., red.; Kosarev, Ye.A., red.; Pankin, M.S., red.; Pichugin, B.M., red.; Shkarenkov, Yu.S., red.; Makarov, V., red.; Borisova, K., red.; Chepeleva, O., tekhn.red.

[The economy of capitalistic countries in 1958] Ekonomika kapitalisticheskikh stran v 1958 godu. Pod red. N.V.Orlova, IU.N.Kapalinskogo, V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 609 p. (MIRA 12:12)

1. Moscow. Nauchno-issledovatel'skiy kon yunkturnyy institut.
(Economic conditions)

EAPELINSELY, Yu.E., kand.ekonom.nauk; KISVYAFTSEV, L.A.; PARKIE, M.S.; PERMIEV, Tu.A., kand.ekonom.nauk; SENIE, V.P.; SICHEV, V.G.; FIGURNOV, P.K., prof., red.; SLAIKOVSKIY, M.I., doktor ekonom.nauk, red.; LEVITAN, I.M., red.isd-va; PAVLOVSKIY, A.A., tekhn.red.

[Growth of the economy and the foreign commerce of the Chinese People's Republic] Rasvitie ekonomiki i vne shacekonomicheskikh sviasci Kitaiskoi Marodnoi Respubliki. Moskva, Vneshtorgisdat; 1959. 559 p. (MIRA 12:6) (China---Rosmowic conditions) (China---Commerce)

KAPELINSKIY, Tu.W., red.; GENERGIYEV, Te.S., red.; KABCROV, V.B., red.;

FIGHUGIN, N.W., red.; POLYAMIN, D.V., red.; SOLOMIN, R.G.,
red.; ARAY, Q., red.; HAZAROVA, V., mladehiy red.; CHEPELEVA, Q.,
tekba.red.

[The economy of capitalist countries in 1960; economically
developed countries] Economic hapitalisticheskith stan
v 1960 godu; ekonomicheski rasvitye strony. Ped red. NU.W.
Expelinskage. Meskva, Ind-vo cotsial'no-ekon, lit-ry, 1961.
(MIRA 14:12)

(Economic conditions)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

POLEZHAYEV, Valentin Nikolayevich; KAPELINSKIY, Yu.N., red.;
ISKANDARYAN, A.A., red. izd-va; TSACURIYA, G.M., tekhn.
red.

[Foreign trade as an important factor of peaceful
coexistence] Vneshniaia torgovlia - vazhnyi faktor mirnogo
sosuahchestvovaniia. Koskva, Vneshtorgizdat, 1962. 58 p.
(MIRA 15:11)

(Russia---Commerce)

· 15月的社会以前中国的农民国际政策的国际社会社会

POLYANIN, D.V.; ZOTOV, G.M.; GRYAZNOV, E.A.; MENZHINSKIY, Ye.A.; RUBININ, A.Ye.; CHEBOTAREVA, Ye.D.; ZAKHMATOV, M.I.; OKUNEVA, L.P.; SHMELEV, V.V.; STULOV, A.A.; POKROVSKIY, A.N.; SHIL'DKRUT, V.A.; IVANOV, A.S.; NABOROV, V.B.; FINOGENOV, V.P.; KUR'YEROV, V.G.; KHRAMTSOV, B.A.; BATYGIN, K.S.; BOGDANOV, O.S.; KROTOV, O.K.; GONCHAROV, A.N.; KRESTOV, B.D.; LYUBSKIY, M.S.; SOKOL'NIKOV, G.O.; KAMENSKIY, N.N.; YASHCHENKO, G.I.; SABEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; STEPANOV, G.P.; BORODAYEVSKIY, A.D.; INGATUSHCHENKO, S.K.; VARTUMYAN, E.L.; KAPELINSKIY, YU.N.. red.; MAYOROV, B.V., red.; NABOROV, V.B., red.; SOLODKIN, R.O., red.; DROZDOV, A.G., red.; ROSHCHINA, L., peda; SOLOV'YEVA, G., mladshiy red.; CHEPELEVA, O., tekhn. red.

[The economy of capitalist countries in 1961; economically developed countries] Ekonomika kapitalisticheskikh stran v 1961 godu; ekonomicheski razvitye strany. Pod red. IU.N. Kapelinskogo. Moskva, Sotsekgiz, 1962. 447 p. (MIRA 16:2) (Economic history)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

AND THE CONCERNATION AND THE WEST STREET, THE PROPERTY OF THE

POTAPOV, I.S.; FINOGENOV, V.P.; SOLODKIN, R.G.; KAPELINSKIY, Yu.N.;

MENZHINSKIY, Yo.A.; SEROVA, L.V.; POLODVSKIY, R.N.;

PEVZNER, Ya.A.; LEHEDEV, B.I.; VLADIMIRSKIY, L.K.;

MATYUKHIN, I.S.; ROGOV, V.V.; PISKOPPEL', F.G., doktor ekon.

neuk, prof., red.; SHLENSKAYA, V.A., red.izd-va; ZINCHENKO,

V.S., red.izd-va; PAVLOVSKIY, A.A., tekhn. red.

[Fereign trade of capitalist countries] Vneshniaia torgovlia kapitalisticheskikh stran. [By] I.S.Potapev i dr. Moskva, Vneshtorgizdat, 1963. 456 p. (MIRA 16:9) (Commerce)

KAMENSKIY, Nikolay Nikolayevich; KAPELINSKIY, Yu.N., red.; ZINCHENKO, V.S., red.izd-va; PAVLOVSKIY, A.A., tekhm. red.

[Belgium; economy and foreign trade] Bel'giia; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1962. 160 p. (MIRA 17:3)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000520420014-3

AUTHOR:

Kapeliovich, A.V.

SOV/5-58-4-30/43

TITLE:

The Processes of Diffusion and Mineralization in the Last Stages of the Epigenesis (Protsessy rastvoreniya i minerali-

zatsii v posledney stadii epigeneza)

PERIODICAL:

Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 19583 Nr 4, pp 155-156 (USSR)

ABSTRACT:

This is a summary of a report given by the author at a conference of the Moscow Society of Naturalists on 18 April 1958. Drillings in the Odessa and Moldaviya regions (to a depth of 1611-1544 m and 1400-1385 m) showed that there are far-reaching transformations in the arkose sandstones and gravel of the Mogilev formation, which have been caused by diffusion and mineralization in the last stages of the epigenesis. The author gives a detailed explanation of this process.

1. Rock-Geology

Card 1/1

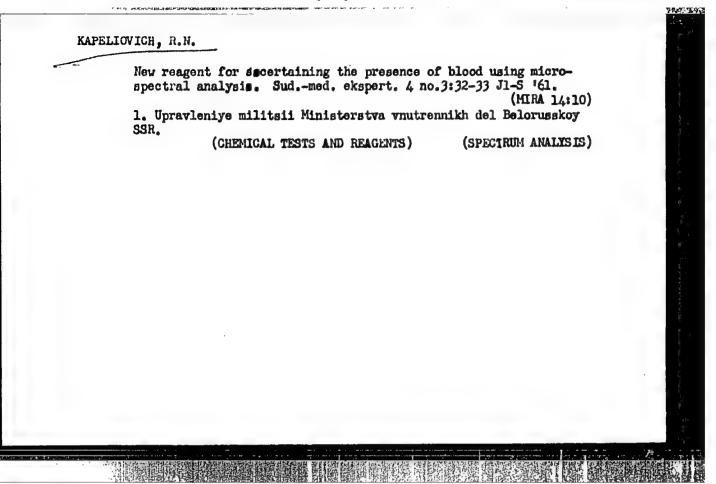
KAPKLIOVICH, R. L.

Recroise therapy in radical operations on the lungs. Khirurgiia no.4192-97 162. (MIRA 15:6)

l. Is kafedry fisicheskogo vospitaniya i lechebnoy fiskul'tury (sav. - dotsent L. I. Levandovskiy) i kafedry fakul'tetskoy khirurgii (sav. - saslushennyy deyatel' nauki prof. N. N. I Yelanskiy) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I. M. Sechenova.

(LUNCE-SERGENT) (EXERCISE THERAPY)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3

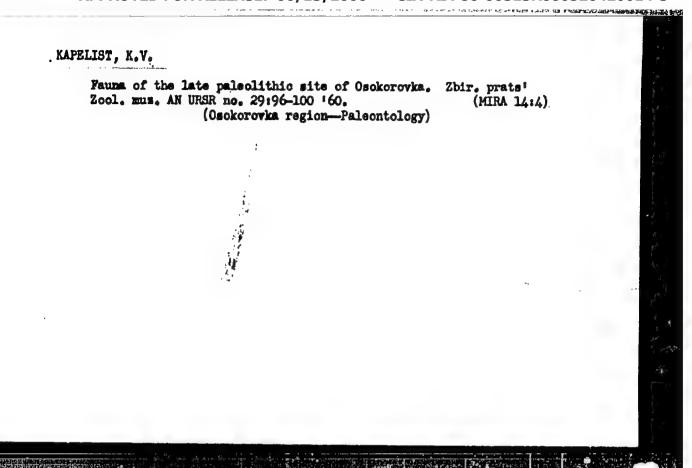


"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3

PUT', A.L.; KAPELIST, K.V.

Fossil mammals of the Male-Kokhnovka open pit in the Kremenchug region. Pratsi Inst. zool. AN URSR 30:130-133 '61.

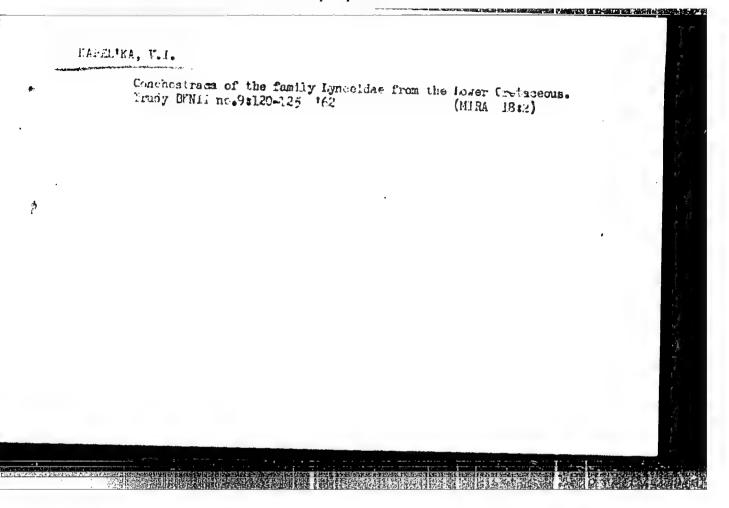
(MIRA 16:8)



KAPELIKA, S.

How IUra was freed from the influence of sectarians. Rab. 1 sial. 36 no. 4:17 Ap '60. (White Russia—Sects)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3



THE TAX IN A PROPERTY OF THE PROPERTY CONTRACTOR OF THE PROPERTY OF THE PROPER

KAPEL'KA, V.I.; NOVOZHILOV, N.I.

Phylum Arthropoda. Class Crustacea: Subclass Branchiopodoidea
(Gnathostraca). Trudy SHIIGGIMS no.21:379-389 '62. (MIRA 16:12)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

KAPEL'KA, V.I.

Phylum Asthropodo: Glass Grustaceae Subclass Maxillopoda. Trudy SNIIGGIMS no.21:187 '62. (MIRA 16:12)

KAPEL'KIEVSKIY, G. V.

25810

Movyesorta grechikhi shatilovskoy gosselektstantsii. Selektsiya i semenovodstvo, 1949, No. 8, s. 75.

SO: Letopis' No. 34

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000520420014-3

15(2) AUTHORS:

AUTHURS

Zhuravskiy, N. K., Chernushkin, I. T., Kapel'ko, A. N.

TITLE: The Use of Volcanic Ash in the Pastes of Electrotechnical Porcelain

PERIODICAL:

Steklo i keramika, 1959, Nr 11, pp 38-41 (U3SR)

ABSTRACT:

M. A. Bezborodov, P. F. Mikhalevich, S. G. Tumanov, V. P. Shvayke, G. N. Voronkov, A. A. Zvyagil'skiy, N. F. Kretova carried out experiments aiming at the production of porcelain free from feldspar. The possibility of using volcanic ash was investigated by the GIKI. In the years 1957-53, such experiments were carried out at the Ordzhonikidze Glass Container and Insulator Plant with Nal'chik volcanic ash and Manasakoyt quata said. Table's gives the chemical compositions of the volcanic ash and quartz sand. Samples with volcanic-ash contents between 25 and 50% were produced. Their compositions are given in table 2, and their average mechanical, thermal, and dielectric values in table 3. Furthermore, the preparation of the porcelain paste is described in detail. It was prepared by means of the vacuum press of type SM-241 and the vacuum grinding machine VP-220. The baking of

Card 1/2 insulators was carried ou

insulators was carried out in the oil-fired miniature tunnel kiln

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The Use of Volcanic Ash in the Pastes of Electrotechnical Porcelain

SOV/72-59-11-11/18

of the GIEKI system. The figure shows the temperature—and gas conditions of the baking process. The composition of the glazing is given in table 4. The average values of the properties of the insulators obtained, which are considered favorable, are listed in table 5. In conclusion, the authors state that volcanic ash constitutes a strong flux, and simplifies, as well as renders more economical, the technological process of porcelain preparation. The baking temperature for insulators can also be lowered by 50-60°, which extends the life of the tunnel kiln. There are 1 figure and 5 tables.

Card 2/2

THE RESERVE OF THE PROPERTY OF

ARASLANOVA, N.K.; KAPEL'KO, S.F.

Apparatuses for the sampling of granular materials. TSvet. met. 36 no.8:85-86 Ag '63. (MIRA 16:9) (Sampling—Equipment and supplies) (Granular materials)

KAPEL'KO, V.I.

Effect of anesthesia on cardiac reactivity to the stimulation of the vagus nerve in compensatory hyperfunction of the heart. Trudy Inst.norm.i pat.fiziol. AMN SSSR 7:49-50 164.

(MIRA 18:6 1. laboratoriya fiziologii i patologii mickarda (zav. - doktor med.nauk F.Z.Meyerson) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000520420014-3

MEERSON, F.Z.; KAPELKO, V.I.

The effect of cardiac hyperfunction on its sutomaticity and reactivity to the chronotropic effect of the vagus. Cor vasa 7 no.4:264-272 165.

1. The Laboratory of Physiology and Pathophysiology of the Myocardium, Institute of Normal and Fathological Physiology, Academy of Medical Sciences, Moscow, U.S.S.R.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

KAPELIKO, V.L.

Realization of the negative chronotropic vagal effect in componsatory cardiac hyperfunction. Dokl. AN SSSR 155 no. 3:715-718 Mir *64. (MIRA 17:5)

1. Institut normalinoy i patologicheskoy fiziologii AMN SSSR. Predstavleno akademikom A.N.Bakulevym.

CIA-RDP86-00513R000520420014-3

KAPELLER, G. V., inzh.

Linked trolleybus manufactured by the SVARZ, Plant. Nov. tekh. zhil.-kom. 1.82.:Gor.dor.-most.khoz. i transp. no. 2:47-64. 163. (MIRA 17:5)

CIA-RDP86-00513R000520420014-3" APPROVED FOR RELEASE: 06/13/2000

KAPELLER, G.V., inzh.; KORYAGIN, O.G., inzh.

Luminescent lighting in trolleybuser. Nov.tekh.zhil.-kcm.khoz.: Gor.dor.-most.khoz.i transp. no.3:65-71 163.

(MIRA 17:10)

Repetitors in the transplantation of preserved nerve grafts.

Roshl. chir. 35 no.11:679-684 Oct 56.

1. Z Ustavu pre normalum a topograficku amatomiu v Bratislave, prednosta doc. dr. M. Kratochvil, a s chirurgickoho oddelenia OUEZ Stmlica, primar MuDr. P. Strauss.

(HERVES, transpl. results with preserved grafts (Cs))

CZECHOSLOVAKIA / Human and Animal Morphology (Normal s-5 and Pathological). Blood-Vascular System. Vessels.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79143.

Author : Kratochvil, M., Kapeller, K., Godal, A.

Inst : Not given.

Title : Several Signs of Subterminal and Terminal Ram-

ification of Portal and Arterial Blood Vessels

in the Human Liver.

Orig Pub: Ceskosl. morfol., 1957, 5, No 3, 227-236.

Abstract: A study of the corrosive mounts of vessels of the human liver confirmed on the whole, the results of the investigations of Elias (Amer. J. Anat., 1949, 85, 379). In addition, it was established that the small partitioning veins do not proceed in parallel with the interlobar veins, but proceed away from them at under a direct an-

Card 1/2

CZECHOSLOVAKIA / Human and Animal Morphology (Normal s-5 and Pathological). Blood-Vascular System. Vessels.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79143.

Abstract: gle. The arterial branches penetrate into the terminal sector, following on the whole in the direction of the portal branches, and divide into 4-8 entrance arterioli before forming sinus capillaries. Profuse arterio-arterial anastomoses appear. Therefore the intra-hepatic sector of the special hepatic artery should be considered as being an artery of a reticular and

not of a terminal type.

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

Card 2/2

45

Effect of 6-assuracil riboside on spermogenesis in rats.

Heoplasma, Bratisl. 7 no.1 suppl:141-143 '60.

(HUCLEOSIDES AND NUCLEOFIDES pharmacol)
(ANTIECOPLASTIC AGENTS pharmacol)
(SPERMATOZOA)

KAPELLER, K.; CIAMPOR, F.; STOLCOVA, M.; UHARCEKOVA, M.

Vegetative innervation of the organs of the epigastric region in dogs. Bratisl. lek. listy 44 no.2:71-78 31 Jl 164.

1. Katedra anatomie Lek. fak. Univerzity Komenskeho v Bratislave (veduci MUDr. G. Cierny, C. Sc.)

KAPELLER, K.

The origin and the course of nerves leading to the liver of the dog. Cesk. morf. 13 no.1:12-14 *65

1. Institute of Anatomy of the Medical Faculty of Komensky's University, Bratislava.

KAPELLER, K.; CIAMPOR, F.; STOLCOVA, M.; UHARCEKOVA, M.; BAUER, V.

Lumber aplanchmic nerves in the dog. Cesk. morf. 13 no.3:220-227

1. Institute of Anatomy, Medical Paculty of Komensky University, Bratislava, Gzechoslovakia.

OF THE VALUE OF THE PROPERTY SAFETY OF THE PROPERTY OF THE PRO

KAPELLER, K.: CIERNY, G.; GPATIK, J.; SIMAN, J.

Contribution to innervation of the bildary tract in dogs. Bratial. lek. listy 44 no.9:541-546 15 N *64

1. Katedra anatomie lek. fa' dty Univerz't Erenskehe v Bratislave (veduci - MUDr. G. Gjerny, (Sc.).

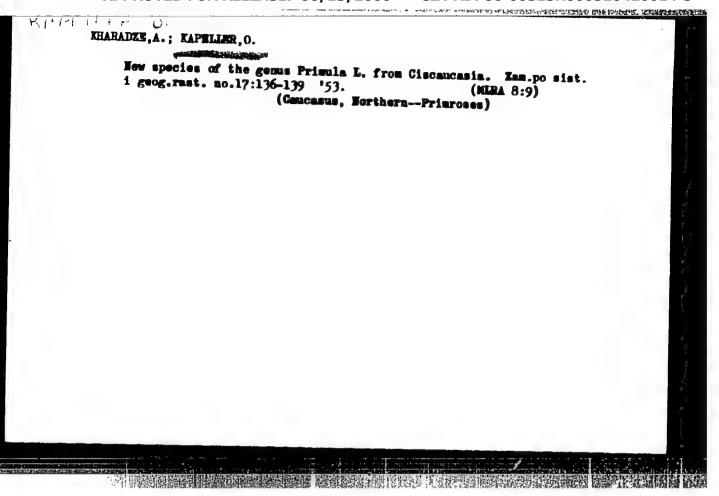
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KAPELLER 0.

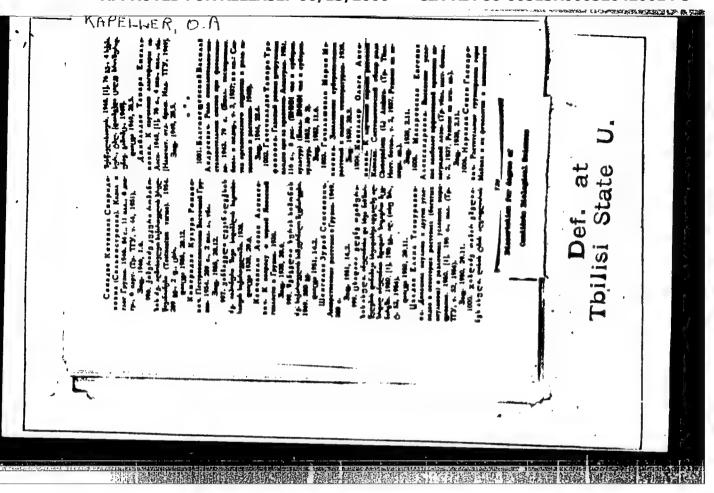
Kapeller CO. "A new species of the genus Stachys L. from Nakh. ASSR," Trudy Tbi is. bot n. in-ta, Vol XII, 1948, p. 223-27 (Resume in Georgian), - Bibliog: P. 227

SO: U-493h, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).



"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000520420014-3



KAPELLER O.H.

KAPYELLYER, O.A.

28303

Novyy vid chistyetsa iz talysha. Zamyetki po sistyematikye i gyeografii rastyeniy (akad. hauk. gruz. SSR, In-T Botaniki), Bpy. 15, 1949 S. 47-51-Ryezmucnye na gruz. yaz.

SO. LETOPIS NO. 34

MITTILER, C. A.

The Committee on Stalin Prizes (of the Council of Ministers (NSF) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskays Kulturs, Moscov, No. 22-60, 20 Peb - 3 Apr 1956)

Name

Kapeller, O. A.

Kemulariya-Natadze, L. M.
Ketskhoveli, N. N.
Kutateladze, Sh. I.
Makashvili, A. K.

Mandenova, A. P. Sakhakia, M. F.

Sosnovskiy, D. I. Ter-Khachaturova, S. Ya.

Kharadze, A. L. Shkhiyan, A. S. Title of Work
"Flora of Georgia"
(Vols I= VIII)

Mominated by Institute of Botany, Academy of Sciences Georgian SSR

SC: W-30604, 7 July 1954

14-57-7-15039

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,

p 137 (USSR)

AUTHOR:

Kapeller, O. A.

TITLE:

Data for Identifying Caucasian Species of the Potentilla L. Genus (Materialy k poznaniyu kavkazskikh

vidov roda Potentilla L.)

PERIODICAL:

Zametki po sistematike i geogr. rasteniy, AN GruzSSR,

1956, Nr 19, pp 16-22, 15

ABSTRACT:

The author distinguishes two new groups: 1) the Camilla Kapeller, which he classified after carefully studying the Potentilla Camillae species and comparing its characteristic attributes with those of members of the <u>Campestres</u>, with which this new species was formerly classified; 2) the <u>Elatiores</u> Kapeller nova, which the author classified after studying the

species P. elatior, which was formerly thought to

Card 1/2

ZVOLENSKY, M.; KAFELLEROVA, A.; STEFANOVICOVA, V.

Recurrent and chronic respiratory disease in infants. Cesk. pediat. 19 no.8:688-692 Ag 164.

1. II. Detska klinika Lekarskej fakulty University Komenskeho v Bratislave (prednostka prof. dr. J. Michalickova).

"APPROVED FOR RELEASE: 06/13/2000 CIA-R

CIA-RDP86-00513R000520420014-3

KAPELLO.I. A.

Labor roductivity

Introducing weekly-daily charts in constructions of the Ministry of Inland Navigation. Rech. transp. 12 No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952, Unclassified.

NIKIFOROY, Vasiliy Fedorovich, kand.tekhn.mauk; KAPELLO, I.A., red.;
SHTENTSEL', V.K., retseasest; ARKHIPOY, Terres., Forsehment;
MAKRUSHINA, A.N., red. imd-va; BOBROYA, V.A., tekhn.red.

[Waterways and harbors] Vodnye puti i porty. Pt.3.[River ports]
Rechaye porty. Moskva, Imd-vo "Rechnoi transport." 1958.

370 p. (Harbore)

(NIRA 15:2)

GURRVICH, Vitaliy Borisovich, kand.tekhn.nauk; KAPELLO, I.A., insh., retsenzent; RUMYARTSEV, B.M., red.; FEDYAYEVA, N.A., red.isd-va; REMNEVA, T.T., tekhn.red.

[Building hydraulic structures of precast reinforced concrete; calculations, analysis and execution of the operations] Stroitel'stvo gidrotekhnicheskikh soorushenii is sbornogo shelesobetona; raschety, issledovaniia i proisvodstvo rabot. Moskva, Isd-vo "Rechnoi transport," 1961, 296 p.

(Rydraulic structures)
(Precast concrete construction)

KAPELLO, I., insh.; DENISOVICH, P., insh.

Sectional reinforced concrete in the construction of fluvial harbors.

Rech. transp. 20 no.4:38-39 Ap *61. (MIRA 14:5)

(Harbors) (Precast concrete construction)

KAPELLO, I., inzh.

New wall design of the lock chamber at the "Trudkommuna" hydroelectric power center. Rech. transp. 21 no.8:36 Ag '62. (MIRA 18:9)

DUBROVA, Georgiy Alekseyevich, prof.; MIKHAYLOV, A.V., doktor tekhn. nauk, retsenzent; KAPELLO, I.A., inzh., retsenzent; LAGAR'KOV, N.I., inzh., red.; FEDYAYEVA, N.A., red.izd-va; BODROVA, V.A., tekhn. se.

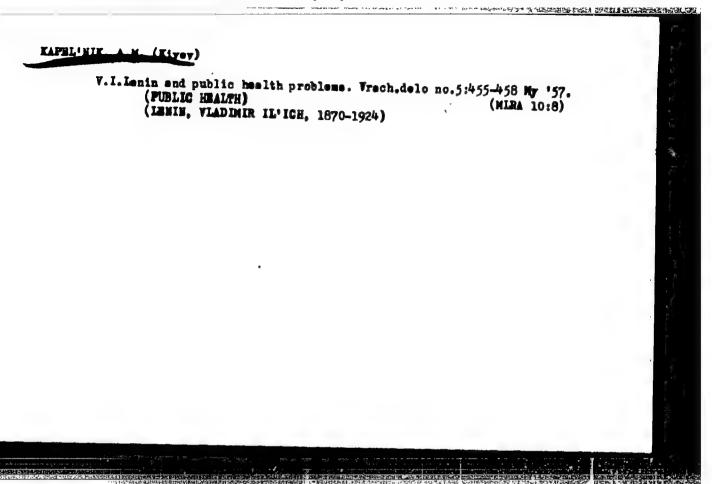
[Interaction of ground and structures; calculation of noncohesive ground loads on hydraulic structures taking deformations into consideration] Vzaimodeistvie grunta i sooruzhenii;
raschety nagruzok ot nesviaznykh gruntov na gidrotekhnicheskie
sooruzheniia s uchetom deformatsii. Moskva, Izd-vo "Rechnoi
transport," 1963. 218 p. (MIRA 16:10)
(Hydraulic structures) (Soil mechanics)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

KAPELLO, I.

Better use of potentialities and the possibility of planning for technical progress in river transportation. Rech.transp. 22 no.1136-37 Ja 63. (MIRA 16:2)

1. Glavnyy insh. Glavnogo upravleniya kapital'nogo stroitel'stva Ministerstva rechnogo flota. (Inland water transportation—Cost of operation)



KOZMLETSKIY, V.; KAPEL'NIK, A.

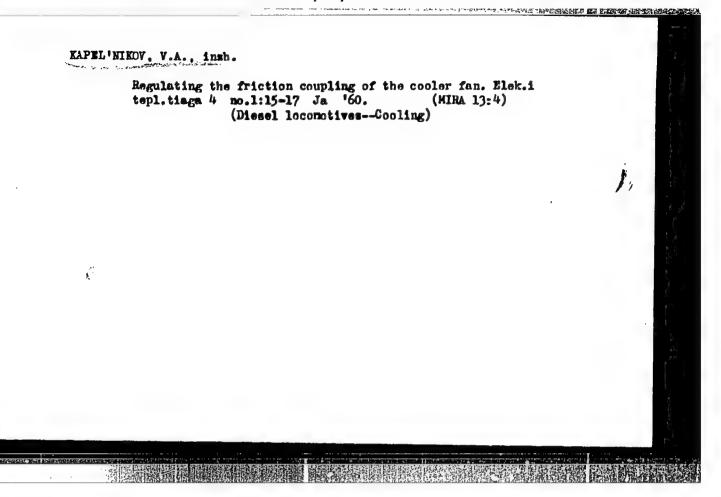
Academician C. Parhon, scientist and public figure. Vrach.delo no.1:97-99 '60. (MIRA 13:6)

HEREZIN, A., kand.med.nauk; MEDOVAR, A.; KAPEL'NIK, A.

"Business" in medicine. Okhr. truda i sots. strakh. 5 no.9: 46-47 S *62. (MIRA 16:5)

l. Rukdwoditel' sektora sarubeshnogo sdravookhraneniya Ukrainskogo (nauchno-issledovatel'skogo instituta kommunal'noy gigiyeny (for Beresin). 2. Sotrudniki sektora sarubeshnogo sdravookhraneniya Ukrainskogo nauchno-issledovatel'skogo instituta kommunal'noy gigiyeny (for Medovar, Kapel'nik).

(UNITED STATES--MEDICAL CARE)



Device for bearing bushings of traction axles. Elek. 1 tepl.
tiaga 4 no.11:24-25 E '60. (MIRA 13:12)
(Electric railway motors) (Bearings (Machinery))

Friction clutch with lever connection mechanism. Elek.i tepl.tiagm 5 no.11:28 N '61. (MIRA 14:11)

(Diesel logomotives)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520420014-3"

S/133/63/000/004/002/011 A054/A126

AUTHORS:

Kapel'nitakiv. V. O., Shved, F. I., Yartsev, M. A., Tulin, N. A., Pozdeyev, N. P., Sergeyev, A. B. Merenishcheva, I. I., Kalinina, Z. M., Pozdnyakov, M. V.

TITLE:

Melting of steel and alloys in vacuum furnaces

PERIODICAL: Stal', no. 4, 1963, 325 - 328

TEXT: IIX 15 (ShKh15) and X 20 H 80 (Kh20N80) grade steels often display spotty liquation, bright streaks, and bright skins. Tests for eliminating these defects were carried out by V. N. Kuzovatov, R. F. Maksutov, G. Ye. Mysina, A. V. Shelgayeva, L. A. Zhivichkin, Yu. A. Gayduk, V. S. Galyan, D. A. Soskov, I. I. Khmelev, G. I. Parabina et al. To prevent the rotating movement of the liquid metal, the circuit scheme was modified (under the control of I. S. Pinchuk, Candidate of Technical Sciences) and upon the suggestion of the NIIM (Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii/Chelyabinsk Scientific Research Institute of Metallurgy) all ferromagnetic parts were eliminated from the electric system which then was redesigned on a bifilar-coaxial scheme. In

Card 1/3

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Melting of steel and alloys in vacuum furnaces

the current system of the arc a negative reversed connection was realized for generator-induction. The arc was kept constant by a NIIM-pulse generator. The steel for the self-baking electrodes was produced according to the standard method, while care was taken to limit the content of S to 0.006% and that of P to 0.015%. The induction type vacuum furnace (OKE-571E /OKB-571B) with a capacity of 0.5 ton and a vacuum of 1 \mu Hg, supplied by a high frequency BTO -250-2500/V00-250-2500 type generator, with an inductor voltage of 1,000 (formerly 2,000) and a frequency of 2,500 cps was also revised. The vacuum system consisted of 5 mechanical (HH-6F/VN-60) and 3 oil-vapor (BH-4500/EN-4500) pumps. The furnace construction was improved (in co-operation with the Vsesoyuznyy nauchno-issledovatel skiy institut elektrotekhnicheskogo oborudovaniya/ All-Soviet Scientific Research Institute of Electrotechnical Apparatus and the Chelyabinsk Scientific Research Institute of Metallurgy) by fixing the inductor more rigidly, by applying lever-type vacuum seals, suitable for application in the mnemonic furnace control system, by redesigning the feeding, tilting apparatus, etc. The crucible material - having a marked effect on the metal quality was also tested. The most uniform macrostructure was obtained with a crucible of melted magnesite, and 30 μ Hg was found to be the optimum vacuum. The effect

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